Appendix 7a – Frequencies: eastern Trails

Appendix 7a – Descriptive statistics for eastern large sites

1 Visitors to SMMNRA

Visitor type	%
(N=267)	
First time visitors	8.2
Return visitors	91.8
Total	100.0

2a Activities engaged in during visit*

Activity (N=267)	%	Activity	%
Sightseeing	52.4	Horseback riding	1.9
Hiking	90.6	Rock climbing	6.4
Picnicking	14.2	Painting / crafts	1.5
Mountain biking	11.6	Photographing	10.1
Bird watching	16.5	Sunbathing	6.7
Walking dog(s)	22.5	Wading / swimming	0.7
Jogging	26.2	Other	6.7
Camping	4.9		

2b Primary activity during visit

Activity (N=261)	%
Hiking	65.9
Mountain biking	4.6
Jogging	8.4
Sightseeing	3.8
Dog walking	10.0
Horseback riding	1.5
Picnicking	1.5
Other	4.3
Total	100.0

Reason for visiting the SMMNRA*

<i>Reason (N=267)</i>	%
To exercise	89.5
To be outdoors	88.8
To enjoy the quiet	65.2
To breathe fresh air	73.4
To see wildflowers	36.0
To see / hear wildlife	43.8
To enjoy scenic beauty	71.9
To escape the city / suburbs	56.9
To commune with nature	53.2
To experience fewer people	40.4
To attend and organized event	3.0

To undertake school research	0.4
To engage in adventure sports	9.4
To be with companion animals	13.9
To socialize with family / friends	33.3
To educate children about nature	6.4
Other	2.2

4a Time spent on trail today

Median Hours on trail	
N=244	1.5

4b Is this the trail you normally visit

Normal trail (N=240)	%
Yes	81.3
No	18.8
Total	100.0

4c Visit other trails

Other trails (N=238)	%
Yes	62.2
No	37.8
Total	100.0

5a Frequency of SMMNRA visits

Median days per month	
N=238	4.0

5b Time of year SMMNRA visited most often*

	•
Category	%
(N=267)	
Summer	77.2
Fall	61.8
Winter	59.6
Spring	68.9
All seasons	56.2

5c Day of week most often visiting SMMNRA*

Category (N=267)	%
Weekends	75.7
Weekdays	27.3

5d Time of day most often visiting SMMNRA*

Category (N=267)	%
Morning	62.5

Afternoon	36.0
Evening	14.6

6a Reason for visiting local or neighborhood park*

%
47.9
31.1
20.6
3.0
6.0
6.4
11.2
2.2
13.1

6b Frequency of visits to the local park

Median Days per Year	
N=198	2.0

6c Time of year most often visiting local park*

Category	%
(N=267)	
Summer	51.7
Fall	35.6
Winter	34.8
Spring	40.4
All seasons	33.0

6d Day of week most often visiting local park*

Category (N=267)	%
Weekends	44.6
Weekdays	19.9

6e Time of day most often visiting local park*

Category (N=267)	%
Morning	30.7
Afternoon	30.0
Evening	19.5

7 Source of knowledge of SMM fauna and flora*

Reason (N=267)	%	Reason	%
Ranger-led nature walks	6.7	Television	21.3
School	19.1	Previous visits	34.8
Park brochures	24.3	Family / friends	30.7
Park signs	31.1	Live in the area	25.8
Nature observation	45.7	Organized	4.1
		groups	
Books	35.2	Internet	1.1
Magazines	28.5	Other	1.1

8 Most important reason to protect SMM*

Reason (N=267)	%
To provide recreational	20.2
opportunities	
To provide habitat for plants	53.9
and animals	
Both	21.0
No opinion	2.2
Other	0.4

9 a Impact of other users on trail experience

Impact	%
(N=264)	
Yes	79.9
No	20.1
Total	100.0

9 b Strength of impact of other users on trail experience

, c 200000000000000000000000000000000000		0 00000	1	1
Category	N =	Mean	Exclusive	Key
			mean	
Mountain biking	180	2.90	2.83	5 = Strongly positive
Horseback riding	165	3.56	3.51	4 = Somewhat
Hiking	204	4.68	4.73	positive
Running / jogging	198	4.29	4.27	3 = Neither
Picnicking	179	4.07	4.08	2 = Somewhat
Dog walking	198	3.48	3.40	negative
Other	27	2.00	***	1 = strongly negative

9 c Why do other trail user activities present a problem*

Reason (N=267)	%
Damage plants	21.3
Uncooperative	28.1
behavior	

Frighten wildlife	19.9
Startle people	23.2
Make too much noise	16.9
Litter	24.3
Scare horses	5.6
Leave animal wastes	30.3
Potential collisions /	19.5
injury	
Dogs off leash	2.6
Other	3.0

10a Travel time to trail

Median Minutes	
N=256	15.0

Mode of travel to trail

Travel Mode (N=267)	%
Car / truck / SUV / van	92.1
Public transportation	0.0
Group transportation (club or organization)	0.0
Motorcycle / scooter	0.0
Bicycle	2.2
Walk / jog	4.9
Horseback	0.7
Other	0.0
Total	100.0

13 Participants in group

	Group Type	N =	Median
	People	267	2.0
	Animals	105	0.0

Type of group

Group type (N=266)	%
Alone	37.2
Family	22.6
Friends	31.6
Family and Friends	7.1
Religious Organization / Church	0.0
Youth club	0.4
Educational	0.7
Other organization or club	0.4

Other	0.0
Total	100.0

Age

Median Age	
N=267	38.0

16 Sex

Sex (N=267)	%
M	50.6
F	49.4
Total	100.0

17a Children under 18

Children (N=266)	%
Yes	21.4
No	78.6
Total	100.0

17b Number of children under 18

Median Number of Children	
N=57	2.0

18 Type of household

JI	
Household Type (N=261)	%
Single	38.3
Unrelated adults	11.1
Couple without children under 18	28.0
Single parent with children under 18	3.4
Two parents with children under 18	13.8
Multigenerational household	5.4
Total	100.0

19 Housing tenure

0	
<i>Tenure</i> $(N = 262)$	%
Owned	52.7
Rented	47.3
Total	100.0

20 Education

Educational Attainment	%
(N=260)	
High school student	4.6
No high school diploma or GED	0.0
High school graduate or GED	5.0
College	90.3
Total	100.0

21 Hispanic/Latino

Hispanic/Latino (N=253)	%
Yes	11.5
No	88.5
Total	100.0

22 Race

<i>Race (N=267)</i>	%
American Indian or Alaska native	0.7
Asian	4.9
Black or African-American	3.0
Native Hawaiian or Pacific Islander	0.4
White	71.2
Do not wish to answer	19.1
Other	0.8
Total	100.0

23a Country of origin

Country (N=262)	%
USA	77.5
Iran	3.8
United Kingdom	2.3
Germany	1.9
South Africa	1.1
France	1.1
Other	12.3
Total	100.0

23b Years in USA

Median Years in USA	
N=57	22.0

24 Language(s) spoken at home*

Language (N=242)	%
English	93.8
Spanish	9.0
Farsi	2.9
French	2.5

Household income

Household Income (N=255)	%
>\$25k	6.7
\$25k-50k	19.2
\$50k-75k	17.6
\$75k-100k	12.2
\$100k-125k	7.5
\$125k-150k	8.2
\$150k-175k	5.1
\$175k-200k	3.5
<\$200k	9.4
Do not wish to answer	10.6
Total	100.0

26 Physical disability

Disability (N=267)	%
Yes	2.6
No	97.4
Total	100.0

27 Barriers at this location

Barriers – this site (N=264)	%
Yes	3.0
No	97.0
Total	100.0

28a Barriers at other SMMNRA sites

Barriers – other sites (N=263)	%
Yes	9.1
No	90.9
Total	100.0

^{*}Percentages will not add up to 100%, since respondents checked all categories that applied.

Appendix 7b – Cross Tabulations: eastern Trails

Appendix 7b – Cross tabs for eastern Sites

4b Is this the trail you normally visit

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Yes	78.9	58.3	90.0	88.9	96.2	100.0	66.7	81.4

[1] Chi-Square test was used to examine the difference across user groups.

5a Frequency of SMMNRA visits

User Group	Hikers	Mountain bikers	Jogger	Sightseers		Horseback riders	Picnickers	Total
Mean Hours on trail	7.52	7.92	9.38	6.22	11.42	9.00	5.00	8.11

[1] One-way ANOVA was used to examine the mean difference across user groups.

5b Time of year SMMNRA visited most often

jour Diviniti iru i	vibited inobt	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
User Group	Hikers (%)	Mountain bikers	Jogger (%)	Sightseers (%)	Dog walkers	Horseback riders	Picnickers (%)	Total (%)
	(//	(%)	(, -)	(,,,	(%)	(%)	(,,,	(,,,,
Summer	73.3	91.7	95.5	80.0	88.5	100.0	50.0	78.0
Fall**	59.3	83.3	77.3	50.0	76.9	100.0	0	63.2
Winter**	55.8	91.7	77.3	50.0	76.9	100.0	0	61.2
Spring*	66.9	91.7	86.4	60.0	76.9	100.0	25.0	70.4

[1] Chi-Square test was used to examine the difference across user groups.

^{*} p<.05, ** p<.01, *** p<.001

^{*} p<.05, ** p<.01, *** p<.001

^{*} p<.05, ** p<.01, *** p<.001

6a Reason for visiting local or neighborhood park

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Limited time	49.4	58.3	36.4	50.0	42.3	0	50.0	47.2
Easier access	30.8	41.7	22.7	50.0	26.9	0	50.0	30.8
Different recreation opportunities	20.3	33.3	18.2	30.0	15.4	0	50.0	20.8
Community gardening	2.9	0	0	10.0	0	0	25.0	2.8
Group recreation opportunities	6.4	8.3	9.1	10.0	0	0	25.0	6.4
See neighborhood friends*	6.4	8.3	0	30.0	0	0	25.0	6.4
Easier to take children	12.2	8.3	22.7	10.0	0	25.0	0	11.6
Other	1.7	0	0	10.0	7.7	0	0	2.4
Not applicable/ Don't visit	14.0	0	18.2	20.0	7.7	25.0	25.0	13.6

[1] Chi-Square test was used to examine the difference across user groups. * p<.05, ** p<.01, *** p<.001

Time of year most often visiting local park 6c

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total	
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)	
		(%)			(%)	(%)			
Summer	52.3	58.3	50.0	80.0	38.5	0	50.0	51.2	
Fall	37.2	41.7	40.9	50.0	30.8	0	25.0	36.8	
Winter	36.0	41.7	40.9	50.0	30.8	25.0	25.0	36.4	
Spring	41.9	41.7	50.0	50.0	34.6	0	25.0	41.2	

[1] Chi-Square test was used to examine the difference across user groups. * p<.05, ** p<.01, *** p<.001

Source of knowledge of SMM fauna and flora

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
Ranger-led nature walks	8.7	0	0	10.0	3.8	0	0	6.8
School	19.8	8.3	18.2	40.0	11.5	0	0	18.4
Park brochures	29.1	33.3	9.1	10.0	11.5	0	0	24.0
Park signs	34.9	25.0	31.8	10.0	19.2	0	0	30.4
Nature observation	47.1	58.3	36.4	20.0	34.6	75.0	25.0	44.4
Books	38.4	33.3	36.4	10.0	19.2	75.0	0	34.8
Magazines	33.1	25.0	22.7	20.0	11.5	25.0	0	28.4

^[1] Chi-Square test was used to examine the difference across user groups. * p<.05, ** p<.01, *** p<.001

Most important reason to protect SMM 8

User Group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
		(%)			(%)	(%)		
To provide recreational	18.6	8.3	22.7	20.0	38.5	0	50.0	20.8
opportunities								
To provide habitat for plants and	55.2	66.7	68.2	60.0	38.5	25.0	50.0	54.8
animals								
Both	20.3	25.0	9.1	10.0	19.2	75.0	0	19.6
No opinion	2.3	0	0	10.0	3.8	0	0	2.4
Other	0.6	0	0	0	0	0	0	0.4

^[1] Chi-Square test was used to examine the difference across user groups. * p<.05, ** p<.01, *** p<.001

Type of group 14

Type of group	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
Type of Group***		(%)			(%)	(%)		
Alone	35.7	58.3	31.8	20.0	50.0	25.0	25.0	36.9
Family	24.6	0	4.5	30.0	26.9	25.0	75.0	22.9
Friends	29.8	33.3	50.0	50.0	23.1	25.0	0	31.3
Family and friends	8.2	8.3	13.6	0	0	0	0	7.2
Religious Organization / Church	0	0	0	0	0	0	0	0
Youth club	0.6	0	0	0	0	0	0	0.4
Educational	1.2	0	0	0	0	0	0	0.8
Other organization or club	0	0	0	0	0	25.0	0	0.4

^[1] Chi-Square test was used to examine the difference across user groups.

Type of household 18

	Hikers	Mountain	Jogger	Sightseers	Dog	Horseback	Picnickers	Total
	(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
Type of Household		(%)			(%)	(%)		
Single	34.7	72.7	33.3	55.6	28.0	0	50.0	36.1
Unrelated adults	10.6	0	23.8	11.1	16.0	0	0	11.5
Couple without children under 18	27.6	9.1	23.8	33.3	44.0	50.0	50.0	29.1
Single parent with children under 18	4.1	0	0	0	4.0	25.0	0	3.7
Two parents with children under 18	14.7	18.2	19.0	0	8.0	25.0	0	13.9
Multigenerational household	8.2	0	0	0	0	0	0	5.7

^[1] Chi-Square test was used to examine the difference across user groups. * p<.05, ** p<.01, *** p<.001

^{*} p<.05, ** p<.01, *** p<.001

19 Housing tenure

-0									
		Hikers	Mountain	Jogger Sightseers		Dog	Horseback	Picnickers	Total
		(%)	bikers	(%)	(%)	walkers	riders	(%)	(%)
	Housing Tenure		(%)			(%)	(%)		
	Owned	55.6	54.5	31.8	30.0	45.8	100.0	25.0	51.6
	Rented	44.4	45.5	68.2	70.0	54.2	0	75.0	48.4

[1] Chi-Square test was used to examine the difference across user groups.

Demographics

	Mean	Sex (% ***[2]		Education	ducation completed (%)				Race/Ethnicity (%)						Median Income
User group	Age[1]	M	F	HS Student	No HS	HS/GED	College	Nat	Asian	Hisp	Afr/Am	PacIsl	White	Other	Range
Hikers	41.58	45.9	54.1	3.5	0	4.7	91.8	0	4.7	10.3	2.3	0	73.3	0.6	\$50,001-\$75,000
Mt. bikers	36.00	100.0	0	18.2	0	0	81.8	0	8.3	11.1	0	0	66.7	0	\$25,000-\$50,000
Joggers	36.82	59.1	40.9	4.5	0	9.1	86.4	4.5	4.5	13.6	4.5	4.5	63.6	4.5	\$25,000-\$50,000
Sightseers	37.90	100.0	0	20.0	0	10.0	70.0	0	0	10.0	0	0	70.0	0	\$25,000-\$75,000
Dog walkers	39.15	38.5	61.5	0	0	4.0	92.0	3.8	3.8	13.0	7.7	0	73.1	0	Greater than \$200,000
Horseback riders	48.25	25.0	75.0	0	0	0	100.0	0	0	0	0	0	100.0	0	\$75,001-\$100,000 & \$125,001-\$150,000
Picnickers	43.25	75.0	25.0	0	0	0	100.0	0	0	25.0	0	0	50.0	0	\$75,001-\$100,000
Total	40.63	51.2	48.8	4.5	0	4.9	90.2	0.8	4.4	11.0	2.8	0.4	72.8	0.8	\$25,000-\$75,000

^[1] For sex, education level, race and income, Chi-Square test was used to examine the difference across user groups.

^{*} p<.05, ** p<.01, *** p<.001

^[2] For age, one-way ANOVA was used to test the difference across user groups.

^{*} p<.05, ** p<.01, *** p<.001